

ABSTRACT OF THE DISCLOSURE

An incubator includes a rotating incubator rotor. The incubator rotor is provided with a plurality of element chambers which are arranged along the outer periphery of the incubator rotor and each of which accommodates a dry analysis element spotted with a sample and incubates the dry analysis element. A light measuring system has a light measuring head which measures the optical density of the dry analysis element. The light measuring system is provided with a correction system which compensates for fluctuation in the value of the optical density of the dry analysis element in each of the element chambers as measured by the light measuring head generated due to fluctuation in the distance between the light measuring head and the element chamber on the basis of a correction value which has been stored in the correction system element chamber by element chamber.